

COC# 129

1720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
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CHAIN OF CUSTODY REPORT

Work Order #: M106094

CLIENT: BRISTOL			INVOICE TO: BRISTOL										TURNAROUND REQUEST in Business Days* Organic & Inorganic Analyses <div style="display: flex; justify-content: space-around;"> <div> <div>10</div> <div>7</div> <div>5</div> <div>4</div> <div>3</div> <div>2</div> <div>1</div> <div><1</div> </div> <div> <div>5</div> <div>4</div> <div>3</div> <div>2</div> <div>1</div> <div><1</div> </div> </div> STD. STD. Please Specify <div style="border: 1px solid black; padding: 2px; display: inline-block;">OTHER</div>					
REPORT TO: ANNE KRANA WETTER			P.O. NUMBER: 21090															
ADDRESS: AMCHITKA ISLAND, AK																		
PHONE: 907-770-0974 FAX: 770-0975																		
PROJECT NAME: AMCHITKA			REQUESTED ANALYSES															
PROJECT NUMBER: 21090																		
SAMPLED BY:																		
CLIENT SAMPLE IDENTIFICATION		SAMPLING DATE/TIME	PRO	BTEX/PAHs											MATRIX (W, S, O)	# OF CONT.	COMMENTS	NCA WO ID
1. OIAM B856SL		6/30/01 1410	X	X											S	2		
2. OIAM B857SL		6/30/01 1415	X	X											S	2		
3. OIAM B858SL		6/30/01 1420	X	X											S	2		
4. OIAM B859SL		6/30/01 1425	X	X											S	2		
5. OIAM B860SL		6/30/01 1430		X											S	1		
6.																		
7.																		
8.																		
9.																		
10.																		
11.																		
12.																		
13.																		
14.																		
15.																		

RELINQUISHED BY: <i>Charlie Marshall</i>		DATE: 6/30/01	RECEIVED BY: <i>Steph Wilson</i>		DATE: 6/30/01
PRINT NAME: Charlie Marshall	FIRM: BRISTOL	TIME: 1657	PRINT NAME: Steph Wilson	FIRM: NCA	TIME: 1657
RELINQUISHED BY:		DATE:	RECEIVED BY:		DATE:
PRINT NAME:	FIRM:	TIME:	PRINT NAME:	FIRM:	TIME:

ADDITIONAL REMARKS: B8 AGT Excavation "Hot Spot"		TEMP:	
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COC REV 3/99 PAGE OF



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541.383.9310 fax 541.382.7588

6 December, 2001

Anne Kranawetter
Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

RE: Amchitka

Enclosed are the results of analyses for samples received by the laboratory on 06/30/01 16:57. If you have any questions concerning this report, please feel free to contact me.

This report was recreated from a previously issued final report in order to provide an electronic copy. The final report used for these electronic copies may have been previously issued as an amended report due to client requested changes to sample names, etc. No data has changed since submission of the previously issued final, or amended, report.

Sincerely,

Stephen Wilson
Environmental Group Leader

Work Orders included in this report:

M106094



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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
07/02/01 14:20

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01AMB856SL	M106094-01	Soil	06/30/01 14:10	06/30/01 16:57
01AMB857SL	M106094-02	Soil	06/30/01 14:15	06/30/01 16:57
01AMB858SL	M106094-03	Soil	06/30/01 14:20	06/30/01 16:57
01AMB859SL	M106094-04	Soil	06/30/01 14:25	06/30/01 16:57
01AMB860SL	M106094-05	Soil	06/30/01 14:30	06/30/01 16:57

COC #129

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Environmental Laboratory Network

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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
07/02/01 14:20

Diesel Hydrocarbons (C10-C25) per AK102
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMB856SL (M106094-01) Soil						Sampled: 06/30/01 Received: 06/30/01			
Diesel Range Organics	168	150	mg/kg dry	1	AK 102	07/01/01	07/01/01	0107001	
<i>Surr: 1-Chlorooctadecane</i>	104 %	50-150							
<i>Surr: Triacontane</i>	73.1 %	50-150							
01AMB857SL (M106094-02) Soil						Sampled: 06/30/01 Received: 06/30/01			
Diesel Range Organics	934	150	mg/kg dry	1	AK 102	07/01/01	07/01/01	0107001	
<i>Surr: 1-Chlorooctadecane</i>	94.4 %	50-150							
<i>Surr: Triacontane</i>	132 %	50-150							
01AMB858SL (M106094-03) Soil						Sampled: 06/30/01 Received: 06/30/01			
Diesel Range Organics	8590	150	mg/kg dry	1	AK 102	07/01/01	07/01/01	0107001	
<i>Surr: 1-Chlorooctadecane</i>	72.7 %	50-150							
<i>Surr: Triacontane</i>	74.8 %	50-150							
01AMB859SL (M106094-04) Soil						Sampled: 06/30/01 Received: 06/30/01			
Diesel Range Organics	1620	150	mg/kg dry	1	AK 102	07/01/01	07/01/01	0107001	
<i>Surr: 1-Chlorooctadecane</i>	81.9 %	50-150							
<i>Surr: Triacontane</i>	131 %	50-150							

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
07/02/01 14:20

BTEX, MTBE and Naphthalene per EPA Method 8021B
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMB856SL (M106094-01) Soil					Sampled: 06/30/01 Received: 06/30/01				
Benzene	ND	0.0483	mg/kg dry	50	1B BTEX/MTI	06/30/01	06/30/01	0106107	
Toluene	ND	0.193	"	"	"	"	"	"	
Ethylbenzene	ND	0.193	"	"	"	"	"	"	
Xylenes (total)	ND	0.387	"	"	"	"	"	"	
Naphthalene	ND	1.93	"	"	"	"	"	"	
Surr: 4-BFB	76.5 %	50-150							
01AMB857SL (M106094-02) Soil					Sampled: 06/30/01 Received: 06/30/01				
Benzene	ND	0.0406	mg/kg dry	50	1B BTEX/MTI	06/30/01	06/30/01	0106107	
Toluene	ND	0.163	"	"	"	"	"	"	
Ethylbenzene	ND	0.163	"	"	"	"	"	"	
Xylenes (total)	ND	0.325	"	"	"	"	"	"	
Naphthalene	ND	1.63	"	"	"	"	"	"	
Surr: 4-BFB	71.7 %	50-150							
01AMB858SL (M106094-03) Soil					Sampled: 06/30/01 Received: 06/30/01				
Benzene	ND	0.0565	mg/kg dry	50	1B BTEX/MTI	06/30/01	06/30/01	0106107	
Toluene	ND	0.226	"	"	"	"	"	"	
Ethylbenzene	ND	0.226	"	"	"	"	"	"	
Xylenes (total)	ND	0.452	"	"	"	"	"	"	
Naphthalene	ND	2.26	"	"	"	"	"	"	
Surr: 4-BFB	78.1 %	50-150							
01AMB859SL (M106094-04) Soil					Sampled: 06/30/01 Received: 06/30/01				
Benzene	ND	0.0623	mg/kg dry	50	1B BTEX/MTI	06/30/01	06/30/01	0106107	
Toluene	ND	0.249	"	"	"	"	"	"	
Ethylbenzene	ND	0.249	"	"	"	"	"	"	
Xylenes (total)	ND	0.499	"	"	"	"	"	"	
Naphthalene	ND	2.49	"	"	"	"	"	"	
Surr: 4-BFB	92.8 %	50-150							

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Bristol Environmental & Engineering
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Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
07/02/01 14:20

BTEX, MTBE and Naphthalene per EPA Method 8021B

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMB860SL (M106094-05) Soil					Sampled: 06/30/01 Received: 06/30/01				
Benzene	ND	0.134	mg/kg dry	50	1B BTEX/MTI	06/30/01	06/30/01	0106107	
Toluene	ND	0.535	"	"	"	"	"	"	
Ethylbenzene	ND	0.535	"	"	"	"	"	"	
Xylenes (total)	ND	1.07	"	"	"	"	"	"	
Naphthalene	ND	5.35	"	"	"	"	"	"	
<i>Surr: 4-BFB</i>	<i>100 %</i>	<i>50-150</i>							

North Creek Analytical - Mobile Lab

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Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
07/02/01 14:20

Physical Parameters per APHA/ASTM/EPA Methods
North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMB856SL (M106094-01) Soil					Sampled: 06/30/01 Received: 06/30/01				
% Solids	78.7	0.0100 % by Weight		1	Gravimetric	07/01/01	07/02/01	0107009	
01AMB857SL (M106094-02) Soil					Sampled: 06/30/01 Received: 06/30/01				
% Solids	81.4	0.0100 % by Weight		1	Gravimetric	07/01/01	07/02/01	0107009	
01AMB858SL (M106094-03) Soil					Sampled: 06/30/01 Received: 06/30/01				
% Solids	83.8	0.0100 % by Weight		1	Gravimetric	07/01/01	07/02/01	0107009	
01AMB859SL (M106094-04) Soil					Sampled: 06/30/01 Received: 06/30/01				
% Solids	83.6	0.0100 % by Weight		1	Gravimetric	07/01/01	07/02/01	0107009	
01AMB860SL (M106094-05) Soil					Sampled: 06/30/01 Received: 06/30/01				
% Solids	100	0.0100 % by Weight		1	Gravimetric	07/01/01	07/02/01	0107009	

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Bristol Environmental & Engineering 2000 W International Airport C#1 Anchorage, AK 99502-1116	Project: Amchitka Project Number: 21090 Project Manager: Anne Kranawetter	Reported: 07/02/01 14:20
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Diesel Hydrocarbons (C10-C25) per AK102 - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 0107001 - 3545 ASE

Blank (0107001-BLK1)

Prepared & Analyzed: 07/01/01

Diesel Range Organics	ND	150	mg/kg wet							
Surr: 1-Chlorooctadecane	23.5		"	23.4		100	50-150			
Surr: Triacotane	16.0		"	23.4		68.4	50-150			

LCS (0107001-BS1)

Prepared & Analyzed: 07/01/01

Diesel Range Organics	1050	150	mg/kg wet	1250		84.0	75-125			
Surr: 1-Chlorooctadecane	22.9		"	23.4		97.9	50-150			
Surr: Triacotane	27.8		"	23.4		119	50-150			

LCS Dup (0107001-BSD1)

Prepared & Analyzed: 07/01/01

Diesel Range Organics	1050	150	mg/kg wet	1250		84.0	75-125	0	20	
Surr: 1-Chlorooctadecane	23.7		"	23.4		101	50-150			
Surr: Triacotane	29.5		"	23.4		126	50-150			

Matrix Spike (0107001-MS1)

Source: M106094-01

Prepared & Analyzed: 07/01/01

Diesel Range Organics	1840	150	mg/kg dry	1520	168	110	60-140			
Surr: 1-Chlorooctadecane	27.8		"	28.6		97.2	50-150			
Surr: Triacotane	20.3		"	28.6		71.0	50-150			

North Creek Analytical - Mobile Lab

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Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
07/02/01 14:20

BTEX, MTBE and Naphthalene per EPA Method 8021B - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 0106107 - MeOH Extraction

Blank (0106107-BLK1)

Prepared & Analyzed: 06/30/01

Benzene	ND	0.0250	mg/kg wet
Toluene	ND	0.100	"
Ethylbenzene	ND	0.100	"
Xylenes (total)	ND	0.200	"
Naphthalene	ND	1.00	"

Surr: 4-BFB 2.45 " 2.50 98.0 50-150

LCS (0106107-BS1)

Prepared & Analyzed: 06/30/01

Benzene	2.11	0.0250	mg/kg wet	2.50	84.4	69-138
Toluene	2.28	0.100	"	2.50	91.2	53-151
Ethylbenzene	2.55	0.100	"	2.50	102	61-141
Xylenes (total)	7.23	0.200	"	7.50	96.4	62-141
Naphthalene	2.96	1.00	"	2.50	118	65-135

Surr: 4-BFB 2.64 " 2.50 106 50-150

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Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
07/02/01 14:20

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.
wet Sample results reported on a wet weight basis (as received)
RPD Relative Percent Difference

North Creek Analytical - Mobile Lab

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Environmental Laboratory Network

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Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Report recreated from: \\sisters\elmnt\Report\M106094 FINAL 07 02 01 1420.mdb Default Report (not modified)